

Amendments to the Claims:

Claims 1-8 (canceled)

Claim 9 (original): A thermally tunable optical fiber device comprising:

a length of optical fiber including the thermally tunable device; and

circumferentially surrounding the thermally tunable device, a heater for thermally tuning the device, the heater comprising a plurality of nested tubes, each nested tube including an electrically resistive heater.

Claim 10 (original): The tunable fiber device of claim 9 wherein the thermally tunable device comprises a fiber grating.

Claim 11 (previously new): A thermally tunable optical fiber device comprising:

a length of optical fiber including the thermally tunable device; and

circumferentially surrounding the thermally tunable device, a microcapillary heater for thermally tuning the device, the heater comprising a microcapillary tube having an effective outside diameter of less than about 2 mm and an electrically resistive heater formed on or constituting the tube, wherein the heater comprises a plurality of resistive coatings angularly spaced apart around the periphery of the tube.

Claim 12 (currently amended): A thermally tunable optical fiber device comprising:

a length of optical fiber including the thermally tunable device; and

circumferentially surrounding the thermally tunable device, a microcapillary heater for thermally tuning the device, the heater comprising a microcapillary tube having an effective outside diameter of less than about 2 mm and an electrically resistive heater formed on or constituting the tube, wherein the tube comprises an electrically resistive material, and the heater comprises the resistive material of the tube.

Claim 13 (currently amended): A thermally tunable optical fiber device comprising:

a length of optical fiber including the thermally tunable device; and

circumferentially surrounding the thermally tunable device, a microcapillary heater for thermally tuning the device, the heater comprising a microcapillary tube having an effective outside diameter of less than about 2 mm and an electrically resistive heater formed on or constituting the tube, and further comprising an additional heater on the fiber.